ABSTRACT

There is provided a magnetic tape of coating type, which comprises a lower non-magnetic layer containing non-magnetic powder and a binder, and an upper magnetic layer containing ferromagnetic powder and a binder, formed in this order on a surface of a tape-form non-magnetic support. This magnetic tape has an intermediate binder layer consisting essentially of a binder, which is provided just under the upper magnetic layer and which has an average dry thickness of 10 to less than 50 nm. The average dry thickness of the upper magnetic layer is 5 to 100 nm, and the squareness ratio of the upper magnetic layer in the lengthwise direction is 0.8 or more. In this magnetic tape, the thickness of the magnetic layer and the fluctuation at the interface between the magnetic layer and the intermediate binder layer just under the magnetic layer can be controlled. As a result, the PW50 value of a solitary waveform and modulation noise can be reduced, and thus, the magnetic tape show excellent C/N characteristics.